

## AMENDMENTS TO THE ABSTRACT

Please add the following abstract to the end of the application:

A signal separation method for separation of source signals from a composite signal expresses the composite signal as a series of values of signal amplitude. The source signals have periodicities similar or equal to  $p$ . The composite signal is portioned into sections which provide respective rows of a matrix  $X$ , in which successive rows represent successive sections. A singular value decomposition of the matrix  $X$  is performed to obtain two singular vector matrices  $U, V$  and a singular value matrix  $\lambda$ . An independent component analysis is performed on one of the singular vector matrices  $U, V$  to obtain an independent component matrix  $UR_2^T, R_1^TV$  and an associated component matrix  $R_2\lambda V, U\lambda R_1$ . One of the component matrices  $UR_2^T, U\lambda R_1$  contains estimated separated signal modulation envelopes and the other component matrix  $R_2\lambda V, R_1^TV$  contains estimated separated cyclets.